

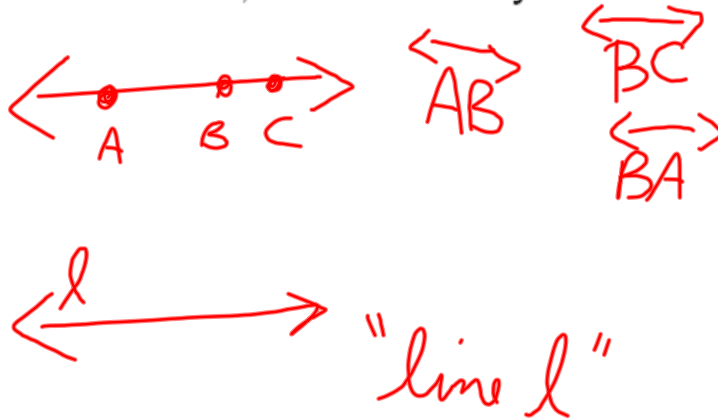
## 1.3 Points, Lines, and Planes

QUIZ  
Thursday

Point—no dimension; represented by a dot

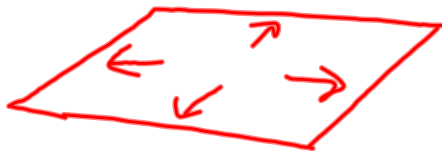
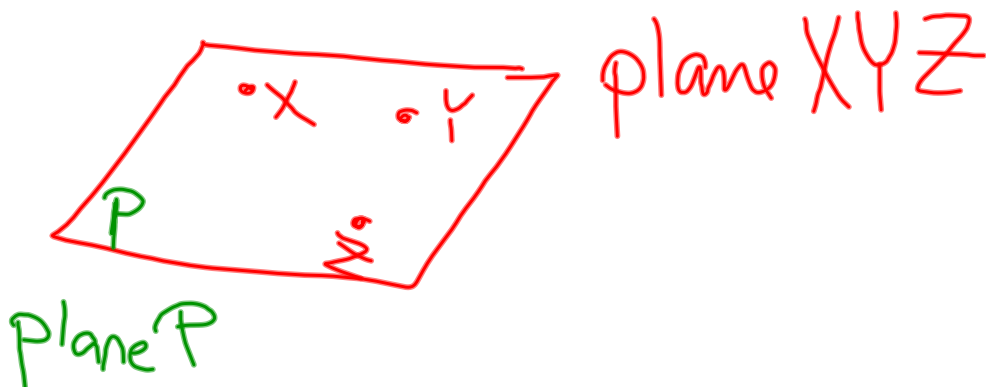


Line—1 dimension; extends infinitely in 2 directions



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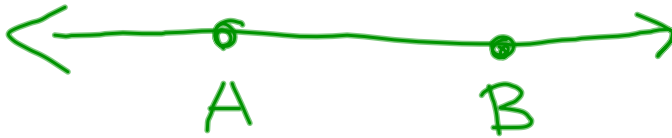
Plane—2 dimensions; extends in 4 directions

Name by 3 points or **bold** letter in corner

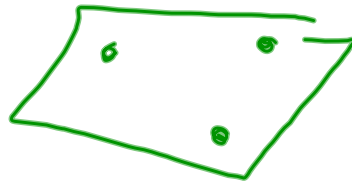
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Postulate—statements accepted as true

Postulate 1—through any 2 points there is exactly 1 line



Postulate 2—through any 3 non collinear points there is exactly one plane



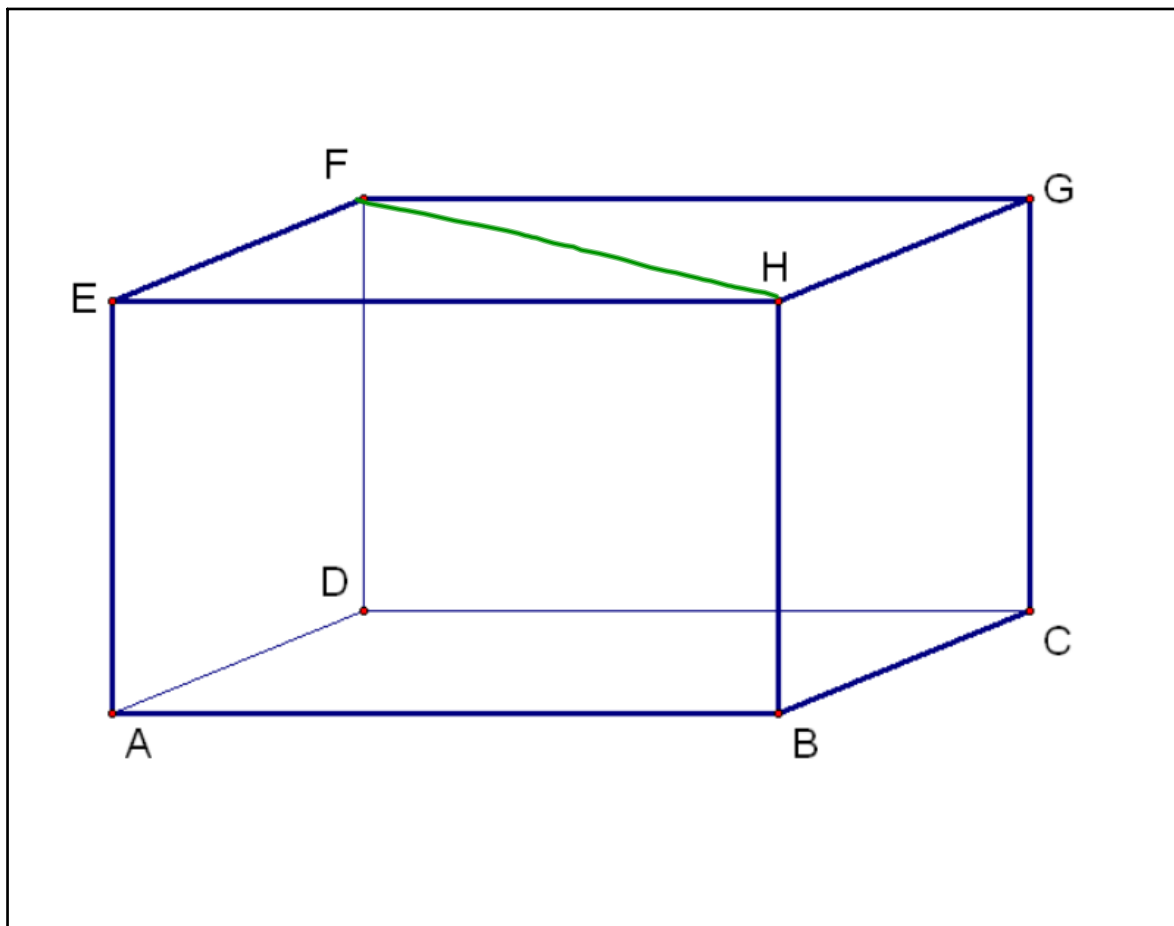
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Collinear points—points on the same line

Coplanar points—points on the same plane

Coplanar lines—lines on the same plane

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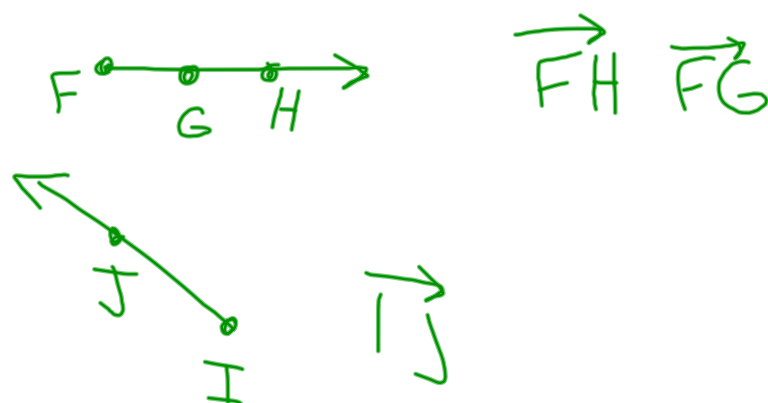


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Segment—has 2 endpoints



Ray—one endpoint; extends in 1 direction



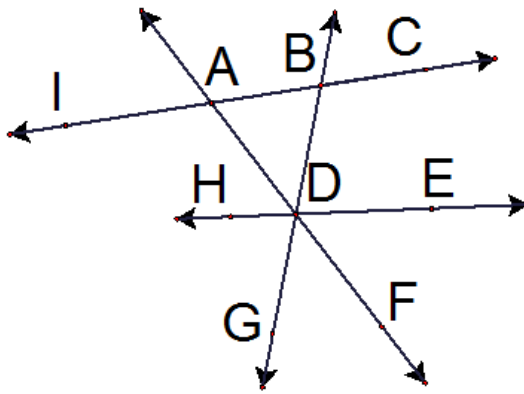
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Name a point that is  
collinear with...

A, B, I

A, D, E

D, G, B



Aug 22-10:06 AM

Draw the following:

$\overline{MN}$



$\overrightarrow{RU}$



$\overrightarrow{AB}$



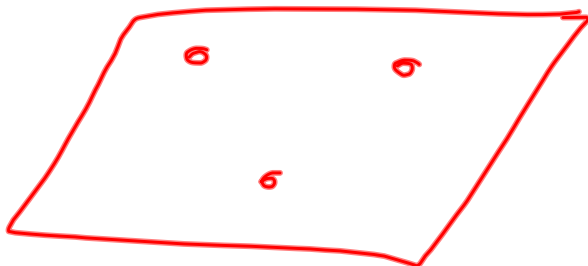
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3 collinear points



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3 coplanar points



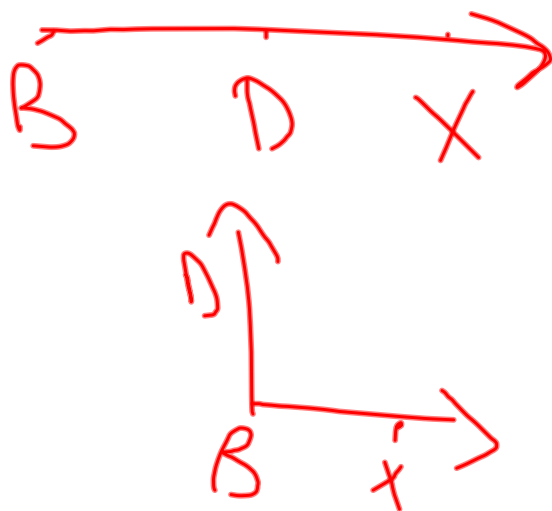
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3 non collinear points



Sep 7-2:30 PM

$\overrightarrow{BD}$  and  $\overrightarrow{BX}$



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$\overleftrightarrow{YS}$  with point E between Y & S

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Together:

p15 #s 1-6

p17 #s 3-14

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Homework:

p.17-18

#s 15-26, 27-33 odd, 35-41, 46, 47, 54-57



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